Jonio Professional

Air purifier

With UV lamp and photocatalytic filter

FEATURES

ANION MODE:

positive ions abound in air, they are emitted by several appliances, such as radio and television. In the mode ANION several negative ions are emitted, they abound naturally in places where there are feelings of well-being such as in the mountains. Air becomes fresh such as air in the montains.

PHOTOCATALYSIS MODE:

In this mode bad smells released from wall paper, furniture, detergents for cleaning, moulds, virus and bacteria, smoke from cigarettes, gases from bad combustion of wood stoves or chimneys such as carbon monoxide, dust (even fine dust such as PM10 and PM2,5) are reduced. Moreover even concentrations of toxic gases in the air such as benzene, trichloroethylene, formaldehyde, ammonia, sulphur dioxide are reduced.

Due to the action of UV lamps, the effectiveness of the photocatalytic filter towards gases is hundreds of times higher then the action of the activated carbon filter, commonly present in air purifiers and in aspirant hoods. It does not need to be sustituted.

It holds particles with a diameter lower than the dimensions of the particles held by the HEPA filter.

In mode PHOTOCATALYSIS, the function ionization and 2 UV lamps are working at the same time.

STERILIZATION MODE: Similar to the mode PHOTOCATALYSIS, but in this mode besides ionization also 3 UV lamps are working.

HEPA filter: it holds hair from animals, pollens and particles with diameter higher than 0,3 micron.

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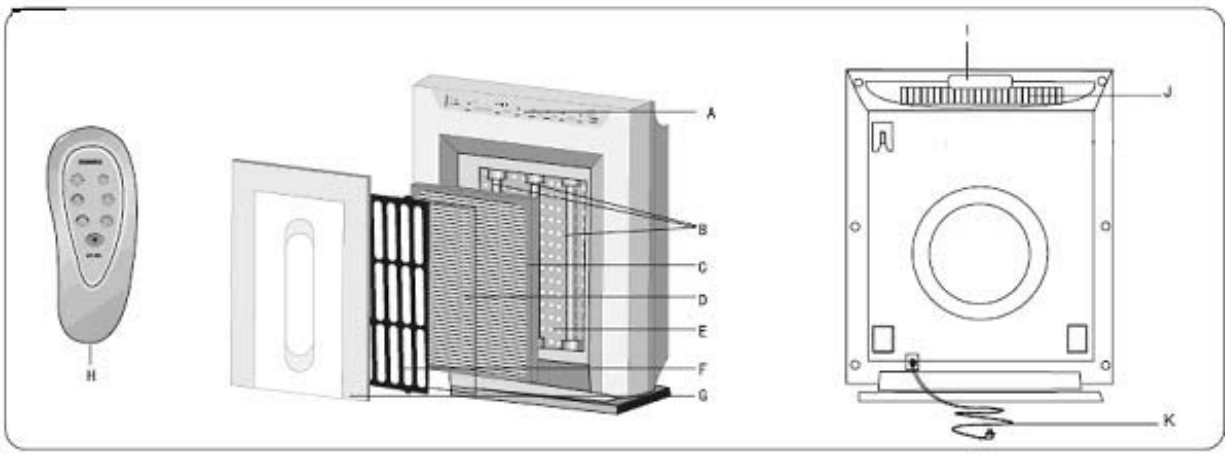
SAFETY PRECAUTIONS

Read carefully these instructions before using the appliance.
Before operating the appliance check that the technical data declared on the plate conform to the voltage of the electrical supply network.
Place the appliance on a flat and stable surface. Keep at least 60 cm distance from curtains, furniture, walls and other surfaces that could be an obstacle to the air flow.
For a better circulation of the air, we suggest to keep the air puirfier at least at 50 cm from the floor.
Do not use it if the power cord is damaged or if the plug is loose, in order to avoid electric shock, shirt circuits and fires.
Do not damage the cable by pulling the appliance by the cord, do not run it around sharp edges, do not wind it, do not put on the cable heavy objects, do not put it near hot surfaces.
In order to remove the plug, pull by the plug and not by the cable. Before removing the plug, switch off the appliance.
In order to move the appliance use the handle on the rear of the appliance.
Do not use extension cords.
Do not modify the appliance. If the appliance needs to be repaired or the cable needs to be substituted, please contact an argo service centre.
Before cleaning the appliance or substituting the filters, switch it off and remove the plug.
Never touch the plug of the air purifier with wet hands.
The appliance is equipped with antidip protection, therefore it should be used only inside houses and far away from rocks, wash basins or similar places where there could be presence of humidity.
Do not immerse it into water or other liquids. Do not run it near a heater.
Do not use it near flammable gases such as natural gas or propane.
Do not run the appliance without HEPA filter, otherwise some UV light could get out of it.
Keep the appliance far away from children and invalids in order to avoid accidents.
Do not clean the appliance with solvents or petroline. Do not clean UV lamps with water, use only dry clothes.
Do not insert fingers and/or other objects into air openings.
During periods of long inactivity, unplug the appliance from the socket.
Batteries must be removed from the remote control before the appliance is scrapped and must be thrown in proper bins for batteries.

DESCRIPTION OF THE AIR PURIFIER



A. Control panel
B. UV lamp – 3 pieces
C. HEPA filter
D. Prefilter
E. Photocatalytic filter
F. Prefilter cover
G. Control panel (air flow entrance)
H. Remote control
I. Handle
J. Air flow exit
K. Supply cord

1.**Pre-filter.** Its main function is to filter the biggest particles and then as a consequence, the life of the HEPA filter can be longer.

2.**HEPA filter**. It can filter particulate with a diameter higher than 0.3 micron and effectively remove pollens, smoke, hair from animals, moulds and dust.

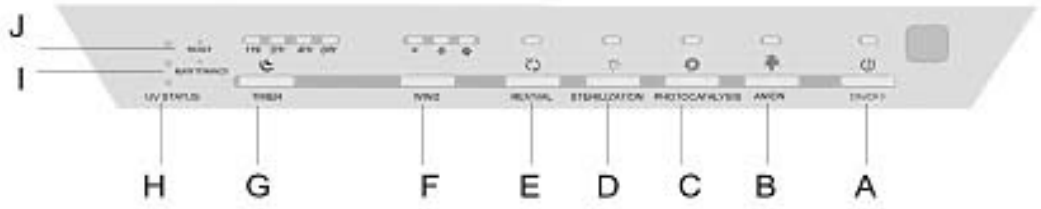
3.**Photocatalytic filter:** Together with the light emitted by UV lamps, its power of purification towards gases is 300 hundreds times more effective than activated carbon filter.

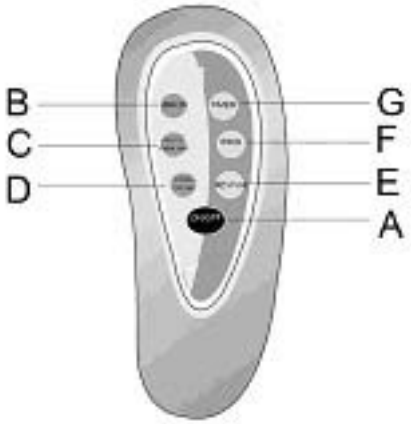
It can effectively decompose toxic gases and viruses without secondary products. It has the property of decomposing toxic gases and viruses without secondary products.

Moreover it has the particular properties of regeneration and self-cleaning and at least theorically, it does not need to be substituted.

4. **Ionizer**: It supplies a big quantità of negative ions.

CONTROL PANEL AND REMOTE CONTROL





A. ON/OFF
B. ANION (IONIZATION)
C. PHOTOCATALYSIS
D. STERILIZATION
E. REVIVAL
F. WIND
G. TIMER
H. UV LAMPS
I. LIGHT FOR FILTER SUBSTITUTION – (MAINTENANCE)
J. RESET

The air purifier can be used both with the control panel and with the remote control.

Switch on/off: Press button ON/OFF(A), the indicator will light. The appliance begins to work in PHOTOCATALYTIC mode purification at the intermediate speed and two UV lamps will be on.

Setting the speed: Set wind speed (HIGH MEDIUM LOW) by pressing the button WIND.

Switch on time selection: Press the button TIMER(G) in order to set the switch on time (1hr, 2hr, 4hr, 8hr). When the indicator is off, the timer is not selected.

Ionization function: By pressing the button ANION (B), some negative ions will be generated.

Photocatalysis and sterilization function: by pressing the button PHOTOCATALYSIS and STERILIZATION the process of photocatalysis and ionization will take place at the same time. If the function of sterilization is selected with the timer, the appliance will set automatically to PHOTOCATALYSIS mode.

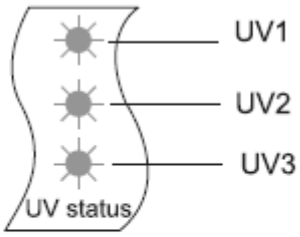
Revival: In the mode revival, only two UV lamps will be on without letting the motor work. The revival function is needed in order to clean the photocatalytic filter by means of UV lamp without air circulation.

UV lamps status:

Three indicator will light in the top left angle of the control panel and show the status of the UV lamps. When the appliance work in photocatalysis mode, two indicators will light.

While we are in mode sterilization, three indicators will light. If no indicator will light, you must check the UV lamps: they could be broken.

INDICATOR / UV / WORK MODE	1	2	3
ANION	●	●	●
PHOTOCATALYSIS	○	●	○
STERILIZATION	○	○	○
REVIVAL	○	●	○



○ The uv lamp is on

● The uv lamp is off

You have to use the remote control towards the main unit and the receiver.
Make sure that there are no objects in the path of the signal. In the moment during which the main unit receives the signal, a sound will be emitted.
Avoid to damage the remote control. Do not expose it to the sunlight or near a heater.

APPLIANCE MAINTENANCE

Switch off the air purifier and remove the plug from the socket before disassembling or assembling the appliance.

The appliance needs substitution of the prefilter, HEPA filter and lamps according to the suggested frequency. The life of the filters of the HEPA filter and of the lamps change according to the hours of use. Do not clean the air purifier with water or other liquids.

Front panel assembly and disassembly

Take the lower part of the front panel and move it towards yourselves and towards high.
Pay attention to protect the interlock switch that is in the top high angle just below the front panel.
When the front panel is removed, the appliance will switch off automatically.
If the interlock device is destroyed, the unit will not work.

Substitution of the prefilter (suggested every month)

The prefilter can be washed, we suggest to substitute at least every month. In the package of the appliance, when you buy it, 6 prefilters are included. In order to substitute it you have to remove the front panel and press towards the bottom the black tongues.

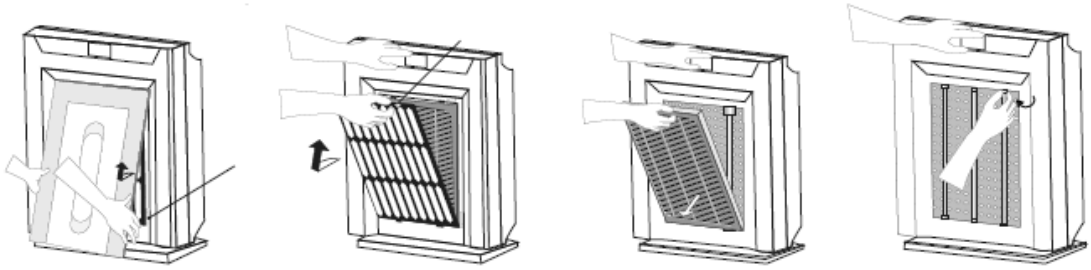
Substitution of the HEPA filter (suggested every 6 months)

Remove the front panel, remove the prefilter and extract the HEPA filter. Place a new HEPA filter and then the prefilter. Place at its place the front panel.

Substitution of the UV lamps (medium life 5.000-8.000 hours)

Keep with your hands the lower and upper extremities of the lamp and turn it into anticlockwise direction till it is in the same direction of the holes that hold the lamp and remove it by pressing towards the bottom the lower part of the lamp and towards yourself the upper extremity at the same time.

Insert the new lamp in the holes and turn it into clockwise direction in order to fix it.



Reassembly of the front panel

In order to assembly the front panel, lean it on the upper hooks or the frame and press the front panel on the frame in order to assembly it.

Cleaning of the photocatalytic filter

Every two weeks, place the appliance in mode regeneration for 1-4 hours by pressing the button REVIVAL in order to make the cleaning of the photocatalytic filter and to work with the maximum efficiency of air purification.

MAINTENANCE INDICATOR

When the indicator MAINTENANCE lights, do as follows: rinse the pre-filter with water and neutral detergent and let it dry naturally. Do not damage it by scrubbing it or wring it .

The prefilter needs to be washed every two weeks and changed every month.

Check the HEPA filter and substitute it before it becomes dark (dark filter has not got any efficiency of filtration).

When the maintenance job is finished and the HEPA filter has been substitued, please use a needle in order to press the button RESET and switch off the indicator.

TROUBLESHOOTING

PROBLEM	***CAUSE***	***SOLUTION***
Air purifier does not work	- The plug does not fit correctly into the socket - The plug or the socket are loose or broken - The front panel is not fixed	- Fit correctly the plug into the socket - Check the plug and the socket - Check the front panel and substitute it
Remote control does not work	-The battery is not inserted/The battery is exhausted -The remote control has not been aimed correctly towards the appliance -There is an obstacle between the remote control and the appliance	-Replace the battery -Aim it correctly -Remove the objects in the path
Low efficiency of filtration	- Pre-filter is dirty - The grids for air intake/outlet are dirty - HEPA filter is dirty	- Clean/change the filter - Remove the obstacles - Substitute HEPA filter

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